

Separation and Purification Sciences Division

**Data Sheet** 

## 3M<sup>™</sup> Liqui-Cel<sup>™</sup> SP-2×6 Series Membrane Contactor

### **Typical Properties**

Membrane Characteristics		
Cartridge Configuration	Radial Flow	
Liquid Flow Guidelines	100 ml/min 2 liter/min Liquid must flow on the shell side	
	t selection and reflect the flow range at which the product of operating above listed flow range depending on liquid ssolved gas requirements.	
Membrane/Potting Material	Polyolefin/Polyethylene	
Shell Side Priming Volume (Approxir	nate)	
NPT Connection	95 ml	
QDC Connection	100 ml	
Pressure Guidelines*		
Maximum Shell Side LIQUID Operating Temperature/Pressure		
5 - 25°C (41 - 77°F)	7.2 barg (105 psig)	
75°C (167°F)	1.0 barg (15 psig)	
*Note: Liquid pressure should alway	vs exceed gas pressure.	
Housing Characteristics		
Material	Polyethylene	
Flange Connections		
Shell Side (Liquid Inlet/Outlet)**	¼ inch NPT female Quick Disconnect compatible with CPC™ PLC12 Series Connectors	
Lumen Side (Vacuum)**	¼ inch NPT female Quick Disconnect compatible with CPC™ PLC12 Series Connectors	

\*\*Note: Use of metal connectors is not recommended.

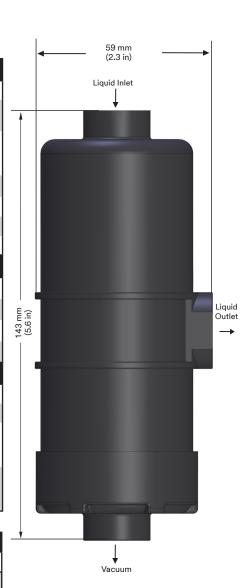
# Seal Material Options for Shell Side Wetted Parts

Only applicable to external seals on Quick Disconnect connections. No internal seals are used. FFKM Weight (Approximate)

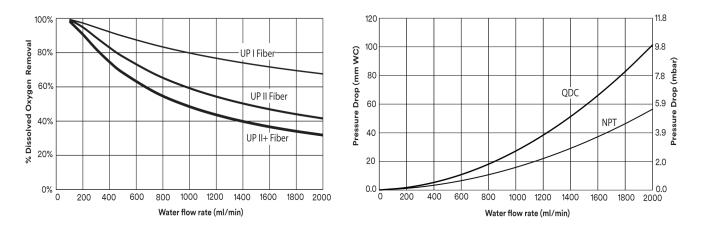
Dry	NPT Connection	QDC Connection
	127 g	131 g

Regulatory

Complies with the limits as set by (EU) 2015/863 amending Annex II to the Restriction on Hazardous Substances (RoHS) Directive (2011/65/EU). 3M<sup>™</sup> Liqui-Cel<sup>™</sup> SP-2×6 Series Membrane Contactors are constructed of FDA Title 21 CFR § 174-186 compliant materials for wetted parts only at ambient temperatures.



All dimensions are nominal values for NPT connections. The 2×6 with Quick Disconnect connections is longer. See full housing drawing on 3M.com/Liqui-Cel for additional details.



Test condition O₂ Removal: Vacuum mode with water at 45°C. Vacuum: 50 torr

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3M Company 3M Separation and Purification Sciences Division 13840 South Lakes Drive Charlotte, North Carolina 28273 USA Phone: +1 980 859 5400 3M.com/Liqui-Cel 3M Deutschland GmbH 3M Separation and Purification Sciences Division Öhder Straße 28 42289 Wuppertal, Germany Phone: +49 202 6099-0

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